RIDGID

Press Tool

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⚠ WARNING!

Read this Operator's Manual carefully before using this tool. Failure to understand and follow the contents of this manual may result in electrical shock, fire and/or serious personal injury.

Table of Contents

Recording Form For Machine Serial Number 1

General Safety Rules
- Work Area Safety 2
- Electrical Safety 2
- Personal Safety 3
- Power Tool Use And Care 3
- Battery Tool Use And Care 3
- Service 3

Specific Safety Information
- Press Tool Safety 4
- Battery And Charger Safety 4

Description, Specifications And Standard Equipment
- Description 4
- Specifications 5
- Standard Equipment 5

Tool Inspection 5

Tool And Work Area Set-Up 6

Operating Instructions
- Preparing The Connection 7
- Pressing A Fitting With Typical Scissor Jaws 7
- Pressing A Fitting With Typical Actuator And Press Ring Set 8

Cold Weather Operation 9

Maintenance Instructions
- Cleaning And Lubrication 10
- Required Maintenance At RIDGID Authorized Service Center 10

Accessories 10

Storage 10

Service And Repair 10

Disposal 11

Machine Disposal 11

Troubleshooting 11

RP 210 Diagnostic Codes 12

Lifetime Warranty ..... Back Cover

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RP 210

Press Tool

RIDGID®

RP 210 Press Tool	
Record Serial Number below and retain product serial number which is located on nameplate.	
Serial No.	

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Safety Symbols

In this operator's manual and on the product, safety symbols and signal words are used to communicate important safety information. This section is provided to improve understanding of these signal words and symbols.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE NOTICE indicates information that relates to the protection of property.

This symbol means read the operator's manual carefully before using the equipment. The operator's manual contains important information on the safe and proper operation of the equipment.

This symbol means always wear safety glasses with side shields or goggles when handling or using this equipment to reduce the risk of eye injury.

This symbol indicates the risk of hands, fingers or other body parts being crushed.

This symbol indicates the risk the electrical shock.

General Safety Rules*

⚠ WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE!

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work Area Safety

- **Keep your work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and by-standers away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electrical shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electrical shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

* The text used in the General Safety Rule section of this manual is verbatim, as required, from the applicable UL/CSA 60745 standard. This section contains general safety practices for many different types of power tools. Not every precaution applies to every tool, and some do not apply to this tool.

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Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power Tool Use And Care

- **Do not force power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it is designed.
- **Do not use power tool if the switch does not turn it ON and OFF.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Battery Tool Use And Care

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

Specific Safety Information

⚠ WARNING

This section contains important safety information that is specific to this tool.

Read these precautions carefully before using the RP 210 Press Tool to reduce the risk of electrical shock or serious personal injury.

SAVE THESE INSTRUCTIONS!

A compartment in the RP 210 carrying case is included to keep this manual with the machine for use by the operator.

Press Tool Safety

- **Use the RP 210 Press Tool only with RIDGID Compact pressing attachments (jaws, press ring, actuator, etc.).** Other uses or modifying the RP 210 Press Tool for other applications may damage the press tool, damage the attachments and/or cause personal injury.
- **Keep your fingers and hands away from pressing attachments during press cycle.** Your fingers or hands can be crushed, fractured or amputated if they become caught between the jaws or between these components and any other object.
- **Never attempt to repair damaged jaws, press ring, actuator or other attachments.** An attachment that has been welded, ground, drilled or modified in any manner can shatter during pressing resulting in serious injury. Discard the entire damaged jaws. Replace with new jaws. Never replace individual components except for damaged jaw return springs.
- **Read and understand this operator's manual, the attachment instructions, the fitting manufacturer's installation instructions and the instructions for any other equipment used with this tool before operating the RP 210.** Failure to follow all instructions may result in property damage and/or serious personal injury.

Battery And Charger Safety

⚠ WARNING

Read the battery charger manual before using the charger or batteries. Failure to read, understand and follow the contents of the charger manual may result in extensive property damage, severe personal injury, or death.

- **Charge batteries only in the appropriate battery charger as specified in the charger manual.** Other types of batteries or non-rechargeable batteries may burst resulting in personal injury and damage.
- **Do not probe battery with conductive objects.** Shorting of battery terminals may cause sparks, burns or electrical shock.
- **Do not insert battery with cracked case into tool or charger. Do not operate battery if it has been dropped or damaged in any way.** Damaged battery increases the risk of electrical shock.
- **Do not burn batteries for any reason.** Batteries explode in fire.
- **Charge batteries in temperatures above +41°F (+5°C) and below +113°F (45°C). Store tool and battery pack in locations where temperatures will not exceed +104°F (40°C)**. Proper care will prevent serious damage to batteries. Improper care of batteries may result in battery leakage, electrical shock or burns.
- **Do not allow anything to cover the charger while in use.** May result in fire.
- **Unplug the charger when not in use.** Reduces risk of injury to children and untrained persons.
- **Do not charge battery in damp or wet environment. Do not expose to rain or snow.** Increases the risk of electrical shock.
- **Do not open the charger.** Have repairs done only by authorized experts.

Description, Specifications And Standard Equipment

Description

The RP 210 Press Tool, when used with appropriate jaws, is designed to mechanically press fittings onto tubing to create a water-tight and permanent seal. When the switch on the RP 210 is depressed, an internal electric motor powers a hydraulic pump which forces fluid into the cylinder of the tool, forcing the ram forward and applying thousands of pounds of pressing force onto specially designed fittings. Attachments are also available for other uses.

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The entire cycle duration is approximately five (5) seconds. Once the cycle begins to deform a fitting, it will automatically continue until completion, even if the trigger switch is released. The LED displays on the back of the tool indicate problems such as improper temperature, open attachment mounting pin or maintenance required.

Figure 1 – RP 210-B Press Tool And Compact Series Jaw

Specifications

RP 210-B Battery Press Tool:

Motor
- Voltage .....18V DC
- Amperage .....18 Amp
- Power .....324 Watts

Weight .....5.6 lbs. (2.5 Kg) (Tool Only - No Battery)

Ram Force .....5,400 lbs. (24kN)

Operating Temperature Range .....15° F to 122° F (-10° C to 50° C) 0°F to 122°F (-20°C to 50°C) with Battery Maintained Above 15°F (-10°C) or By Using Higher Capacity Batteries. *See Cold Weather Operation.*

Duty Cycle .....1 Crimp /min.

Standard Equipment

The RP 210, if ordered with batteries, comes with 1.1Ah batteries. 2.2Ah and 3.3Ah batteries are available as accessories *(See Page 10)*. Higher amp hour batteries allow more press connections per charge, but also weigh more.

NOTE! RP 210 Press Tools and Compact Jaws are protected under various U.S. and international patents and patent applications.

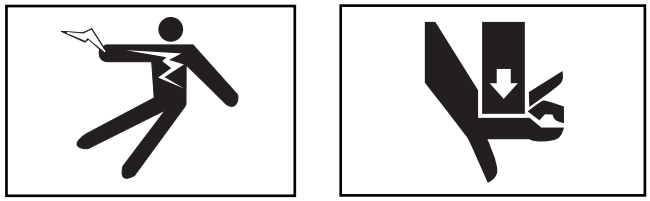
NOTE! RIDGID jaws and attachments are offered in two "series"
- Standard Series
- Compact Series

These series are not interchangeable. Only standard series jaws will work with standard series tools (RP 330, 320-E, CT-400). Similarly, only compact series jaws will work with the compact series tools (Compact 100-B, RP 210). Please refer to the standard tool's operator's manuals for further information on standard tools and jaws.

NOTICE Selection of appropriate materials and joining methods is the responsibility of the system designer and/or installer. Before any installation is attempted, careful evaluation of the specific service environment, including chemical environment and service temperature, should be completed. Consult Press Fitting System manufacturer for selection information.

Tool Inspection

⚠ WARNING



Daily before use, inspect your press tool and correct any problems to reduce the risk of serious injury from electric shock, crushing injures, attachment failure and other causes, and prevent tool damage.

1. Make sure that the press tool battery is removed. Inspect the battery for damage. If any damage or modifications are found, do not use until the battery has been properly repaired or replaced.
2. Clean any oil, grease or dirt from the equipment, especially the handles and controls. This helps to prevent the machine or controls from slipping from your grip.
3. Inspect the press tool for any broken, worn, missing, mis-aligned or binding parts or any other condition which may prevent safe and normal operation. Make sure that the attachment mounting pin moves smoothly between the fully open and full closed position and locks into each. Confirm that the switch moves freely and does not bind or stick. If any problems are found, do not use machine until problems have been repaired.
4. Inspect and maintain the tool attachments and battery charger as directed in their instructions. Failure to

properly inspect and maintain attachments and chargers can result in serious injury and property damage.

5. Check that the warning label is present and firmly attached to the tool and if required, the battery. Do not operate the press tool without the warning label. *See Figure 2* for the location of the press tool warning label. *Figure 3* shows the labels on the bottom of the batteries.

Figure 2 – Press Tool Warning Label

Figure 3 – Label On Bottom Of Battery

6. With dry hands, insert a fully charged battery. Press the ON/OFF button on the LED panel one time to turn the press tool ON. The green, red and yellow LED on the display panel should all blink one time on power up, and then the green LED will remain on to indicate that the tool is ready for use. For use in cold weather (temperatures below 15°F (-10°C)), *see Cold Weather Operation Section*. If any other conditions exist, use the Diagnostic Codes information on *Page 12* to determine the next step and do not use the tool until it is working properly. With your hands and fingers away from the tool ram, test the operation of the switch to confirm proper operation. When used with an attachment, once the tool sees enough load it will lock on to insure that a complete press is made.

   Once the operation has been checked, with dry hands remove the battery.

Tool And Work Area Set-Up

⚠ WARNING

Set up the press tool and work area according to these procedures to reduce the risk of injury from electric shock, fire, crushing injuries and other causes, and prevent tool and system damage.

1. Check work area for:
   - Adequate lighting.
   - Flammable liquids, vapors or dust that may ignite. If present, do not work in area until sources have been identified and corrected. The press tool is not explosion proof and can cause sparks.
   - Clear, level, stable and dry place for operator. Do not use the machine while standing in water.
2. Inspect the work to be done and determine the correct RIDGID tool and attachment(s) for the application. Using an incorrect attachment for an application can cause injury, damage the tool and make incomplete connections. For a complete listing of RIDGID attachments available for this tool, see the Ridge Tool Catalog.
3. Evaluate the work area and determine if any barriers are needed to keep bystanders out. Bystanders can distract the tool operator during use.
4. Confirm that the battery is removed and fully open the attachment mounting pin. *See Figure 4.* If there is an attachment in the tool, slide it out of the tool.
5. Slide the correct attachment into the press tool as shown in *Figure 5* and fully close the attachment mounting pin. The tool will not operate unless the mounting pin is fully closed.

Figure 4 – Fully Open Attachment Mounting Pin

Figure 5 – Slide Attachment Into Tool

Operating Instructions

⚠ WARNING

Always wear eye protection to protect your eyes against dirt and other foreign objects.

Keep your fingers and hands away from the tool attachment during the press cycle. Your fingers or hands can be crushed, fractured or amputated in the attachment or tool or between the attachment, work piece and other objects.

Follow operating instructions to reduce the risk of injury from crushing and other causes and to prevent tool damage.

NOTICE These instructions are generalized practices for several types of press tool attachments. Always follow the specific instructions for the press tool attachment being used and the fitting manufacturers specific installation instructions. Failure to follow the specific attachment and fitting installation instructions may result in improper press connections that can lead to extensive property damage.

Preparing The Connection

1. Make sure that the work area is free of bystanders and other distractions and that the tool and work area has been properly set up.
2. Prepare the connection according to the fitting manufacturers instructions.

Pressing A Fitting With Typical Scissor Jaws

1. Make sure the RP 210 Press Tool has the correct jaw installed. *(See Tool And Work Area Set Up Section.)*
2. Insert fully charged battery into the base of the handle.
3. Depress ON/OFF button on display panel one time to turn tool ON. All three light emitting diodes (LED's) will blink once. Then, the green LED should be solidly illuminated indicating the tool is ready to press.

NOTE! Tool will automatically turn off if left unused for ten (10) minutes. To restart tool, it is necessary to once again depress the ON/OFF button on the top display panel.

4. Squeeze jaw arms to open the jaws *(Figure 6).*
5. Place open jaws around the fitting *(Figure 7)*. Make sure the contour of the jaws is properly aligned with the contour of the fitting as specified in Fitting Systems operator's manual. Do not attempt to hang the jaws and tool from fitting. Tool could unexpectedly drop and cause serious injury or death.
6. Make sure the tubing is inserted to the proper depth in fitting, as specified in the appropriate fitting system's instructions.

Figure 6 – Opening The Scissor-Style Jaws

Figure 7 – Placing Scissor-Style Jaw Set Around Fitting

Figure 8 – RP 210 Tool Square To Tubing

7. Make sure the jaws and tool are square to the tubing. *(Figure 8)* If the jaw and tool are not square to the tube, they will try to align as the press is made. This could cause an improperly pressed fitting or damage the tool.

   Depress the tool trigger switch *(Figure 1).* Keep fingers and hands away from the jaws to avoid crushing injuries in jaws and between jaws and surrounds. The press cycle takes about five (5) seconds. Once a press cycle begins and the rollers contact the jaw arms, the tool will lock-on and automatically complete the press cycle. Releasing the trigger will not stop the tool once the pressing process has begun. This assures consistent, repeatable press joint integrity.

NOTE! If yellow LED service indicator blinks, the tool should be sent to a RIDGID Authorized Service Center for required maintenance. The tool will not run if it is not serviced within 2,000 cycles after the first blinking yellow LED.

NOTICE The RP 210-B Press Tool will turn off automatically if the battery is too low to successfully complete a pressed connection. This will be indicated by blinking of the green LED. A fully charged battery should be inserted in the tool and the pressed connection should be repeated as indicated above.

To retract the rollers and remove the tool from the fitting if battery dies or tool malfunctions during pressed connection, it is necessary to press the pressure release button on the right hand side of the tool *(Figure 11).* If this happens, the connection will need to be pressed again to insure completion.

8. After the cycle is complete, squeeze jaw arms to open the jaws.
9. Remove the RP 210 and jaws from tube. Avoid sharp edges that may have formed on the fitting during the pressing operation.

Pressing A Fitting With Typical Actuator And Press Ring Set

1. Make sure the RP 210 Press Tool has the correct actuator installed.
2. Insert fully charged battery into the base of the RP 210 handle.
3. Depress ON/OFF button on display panel one time to turn tool ON. All three light emitting diodes (LED's) will blink once. Then, the green LED should solidly illuminate indicating the tool is ready to press.

NOTE! Tool will automatically turn off if left unused for ten (10) minutes. To restart tool, it is necessary to once again depress the ON/OFF button on the top display panel.

4. Make sure the tubing is inserted to the proper depth in fitting, as specified in the appropriate fitting system's operator's manual.
5. Open the appropriate press ring and place at right angle onto the fitting *(Figure 9).* Align ring with fitting according to fitting system's operator's manual. Recheck insertion depth before completing press process.
6. Squeeze actuator arms to open the actuator assembly. Engage actuator ends into the actuator pockets in the press ring *(Figure 10)*. Make sure actuator ends are fully engaged in pockets. Do not attempt to hang tool and actuator from press ring. Tool could unexpectedly drop causing serious injury or death.
7. Depress the tool trigger switch. The press cycle takes about five (5) seconds. Once a press cycle begins and the rollers contact the actuator arms, the tool will lock-on and automatically complete the press cycle. Releasing the trigger will not stop the tool once the pressing process has begun. This assures consistent, repeatable press joint integrity. To avoid pinch point injuries, keep fingers away from actuator and press ring during the press cycle.

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Figure 9 – Installing Press Ring Onto Fitting

Figure 10 – Attaching Actuator To Press Ring

NOTE! If yellow LED service indicator blinks, the tool should be sent to a RIDGID Authorized Service Center for required maintenance. The tool will not run if it is not serviced within 2,000 cycles after the first blinking yellow LED.

NOTICE The RP 210-B Press Tool will turn off automatically if the battery is too low to successfully complete a pressed connection. This will be indicated by blinking of the green LED. A fully charged battery should be inserted in the tool and the pressed connection should be repeated as indicated above.

To retract the rollers and remove the tool from the fitting if battery dies or tool malfunctions during pressed connection, it is necessary to press the pressure release button on the right hand side of the tool *(Figure 11).* If this happens, the connection will need to be pressed again to insure completion.

8. After cycle is complete, squeeze actuator arms to open and separate actuator from press ring. Remove the press ring from fitting by manually grasping ring halves and opening assembly. Avoid any sharp edges which may have formed on fitting during pressing operation.

Figure 11 – Pressure Release Button

Inspecting The Pressed Connection

1. Inspect the pressed fitting. If the fitting is supplied with a control ring and/or a control label by the fitting manufacturer, remove it. Control rings and labels are supplied by the manufacturer to indicate that the fitting has not yet been pressed. Removal of the control ring and label indicates to others that the connection has been pressed.

   Look for the following:

   - Excessive misalignment of the tubes. Note that a slight amount of misalignment at the pressed connection is considered normal.
   - Tubes that are not fully inserted into the fitting – double check the insertion marks made on the tube to see that they are still aligned with the end of the fitting.
   - Incorrect jaw or ring alignment with the fitting contour, distorted or deformed fitting.
   - Any other issues per the fitting manufacturer.

   If any of these problems are found, then removal of the fitting is required and a new fitting and tube will need to be prepared and pressed in its place.

2. Test system in accordance with normal practice and local codes.

3. See fitting system's operator's manual for specific inspection criteria.

Cold Weather Operation

As temperature drops, all batteries experience performance degradation. The lowest temperature at which a tool and 1.1Ah battery can make a complete press is 15°F (-10°C). At temperatures below this, the 1.1Ah battery is not able to provide sufficient power to the press tool.

Pressing at temperatures down to 0°F (-20°C) can be done by warming the 1.1Ah battery above 15°F (-10°C) or using a larger capacity battery (2.2Ah or 3.3Ah).

The red and green LED's on the tool will glow when the tool temperature is between 0°F (-20°C) and 15°F (-10°C). If using a 1.1Ah battery, the tool may not be able to press the connection completely. If this occurs, the tool will stop in the middle of the press cycle and will not release from the connection. To remove the tool from the connection, press the pressure release button on the right hand side of the tool *(shown in Figure 11)*. **This connection then must be repressed while using either a 1.1Ah battery above 15°F (-10°C) or using a 2.2Ah or 3.3Ah battery to insure a complete connection.**

To use the press tool between 0°F (-20°C) and 15°F (-10°C) either:

- Use a 2.2Ah or 3.3Ah battery
- Or maintain the 1.1Ah battery temperature above 15°F (-10°C). This can be done by placing the battery in an interior pocket when not in use or allowing the battery to sit in a conditioned room until it is sufficiently warm.

If the tool temperature is below 0°F (-20°C), only the red LED will be on and the tool will not operate unless warmed to above 0°F (-20°C).

Maintenance Instructions

⚠ WARNING

Make sure battery is removed from tool before performing maintenance or making any adjustment.

RP 210 Press Tools

Cleaning And Lubrication

1. Wipe the tool clean daily with a clean dry cloth.
2. Inspect the attachment mounting pin and lubricate the pin with silicone lubricant as needed.
3. Check return springs in attachments with each use. Attachments should open and close freely with only moderate finger effort required.

Required Maintenance At RIDGID Authorized Service Center

After 30,000 cycles, the tool will show a blinking yellow LED on the display panel as long as the tool is turned on to indicate that it is time for maintenance and recalibration. The tool will not run if it is not serviced within 2,000 more cycles (32,000 total) after the yellow blinking LED begins.

Accessories

⚠ WARNING

The following tool accessories have been designed to function with the RP 210 Press Tools. Other accessories suitable for use with other tools may become hazardous when used on the RP 210. To prevent serious injury, use only accessories specifically designed and recommended for use with the RP 210, such as those listed below.

Ridge Tool Company provides Compact Pressing attachments designed specifically for use with RIDGID Compact Press Tools. Only use attachments that are specifically designed to press the fitting system you are installing. For a complete listing of RIDGID attachments available for this tool, see the Ridge Tool Catalog

RP 210-B Press Tool Accessories

Catalog No.	Description
31013	18V 1.1 Ah Lithium-Ion Battery Pack
32743	18V 2.2 Ah Lithium-Ion Battery Pack
31018	18V 3.3 Ah Lithium-Ion Battery Pack
32068	18V Lithium-Ion Charger
31023	Carrying Case (Plastic)

Storage

Remove battery from tool and store tool and battery in case. Avoid storing the tool, batteries or charger in extreme heat or cold. The tool temperature sensor will not allow the tool to turn on if oil temperature is not within the temperature range of 0°F (-20°C) to 104°F (40°C). So it may be necessary to allow the tool to warm or cool to a temperature within the operating range by placing it in a conditioned room before use. This will be indicated by a red glowing LED on the display panel.

⚠ WARNING Store the carrying case in a dry, secured, locked area that is out of reach of children and people unfamiliar with the RP 210 Press Tool. The tool is dangerous in the hands of untrained users.

Service And Repair

⚠ WARNING

Improper service or repair can make machine unsafe to operate.

Service and repair on this RP 210 Press Tool must be performed by a RIDGID Authorized Press Tool Service Center. The tool fasteners have been marked to indicate if service has been performed by unauthorized individuals.

Disposal

The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the battery packs means that RIDGID has already paid the cost of recycling the lithium-ion battery packs once they have reached the end of their useful life.

RBRC™, RIDGID®, and other battery suppliers have developed programs in the USA and Canada to collect and recycle rechargeable batteries. Normal and rechargeable batteries contain materials that should not be directly disposed of in nature, and contain valuable materials that can be recycled. Help to protect the environment and conserve natural resources by returning your used batteries to your local retailer or an authorized RIDGID service center for recycling. Your local recycling center can also provide you with additional drop off locations.

RBRC™ is a registered trademark of the Rechargeable Battery Recycling Corporation.

Machine Disposal

Parts of this unit are valuable materials and can be recycled. There are companies that specialize in recycling that may be found locally.

Dispose of in compliance with any and all applicable regulations. Contact your local waste management authority for more information.

Troubleshooting

SYMPTOM	POSSIBLE REASONS	SOLUTION
Tool will not turn ON when ON/OFF button on display panel is pressed.	Battery is completely discharged or battery has failed.	Insert fully charged battery/recharge dead battery.
	Battery not properly inserted into handle of tool.	Check to assure battery is fully inserted.
Tool turns OFF either when trigger is depressed or in the middle of a press cycle. Red LED glows.	Battery is too low.	Insert fully charged battery/recharge dead battery.
	Tool or battery is too cold or too hot.	Bring tool and battery to correct operating range between 0°F (-20°C) to 122°F (50°C) by allowing the tool to sit in a conditioned room. If using tool in cold temperatures, refer to Cold Weather Operation Section of this manual. **NOTE! Fitting must be repressed if tool stops in the middle of a press cycle. Failure to do so may result in a leaking fitting.**
Yellow LED blinks repeatedly as long as tool is turned ON and tool functions properly.	Scheduled maintenance/recalibration is required after 30,000 presses.	Return to Test Equipment Depot

Troubleshooting *(Continued)*

SYMPTOM	POSSIBLE REASONS	SOLUTION
Yellow LED glows continuously and tool will not begin press cycle when trigger switch is depressed.	Scheduled maintenance/recalibration is mandatory after 32,000 presses. Tool is "locked" and will not function until tool is serviced.	Return to Test Equipment Depot
Red LED blinks repeatedly and tool will not begin press cycle when trigger switch is depressed.	Attachment mounting pin not fully closed.	Insert attachment mounting pin to the fully closed position.
Yellow LED glows when tool is turned ON.	Tool malfunction detected.	Remove and reinsert fully charged battery. Be sure to repress fitting. If LED's continue to glow, contact Ridge Tool Company, Technical Service Department at (800) 519-3456 for nearest Authorized Service outlet.
Jaws are locked onto fitting.	Press was not successfully completed.	Push pressure release valve to remove jaws from fitting. Inspect and repress fitting.
The pressed connections produced are not complete.	Used wrong jaws for the tube size or material.	Install the correct jaws.
	The tool was not square to the tube.	Redo the joint with new fitting and new tube. Make sure that the tool is square to the tube.
	Jaw contour was not aligned with the fitting contour.	Redo the joint with new tube and new fitting. Make sure the jaw contour is aligned with the fitting contour.
	Tool is in need of repair.	

RP 210 Diagnostic Codes

LED	Status	Description	Icon
Green	Glows	Tool ON.	
	Blinks	Out of acceptable voltage range.	
		— Replace battery with a fully charged battery.	
Red	Blinks	Attachment mounting pin not fully engaged. Insert pin.	
	Glows	If only red light is ON, Out of temperature range 15°F (-10°C) to 122°F (50°C).	
Yellow	Blinks	Service indicator after 30,000 cycles. NOTE: Tool will lock after 32,000 cycles.	
	Glows	Machine is locked – Service after 32,000 cycles or after a malfunction.	

Figure 12 – LED Diagnostic Codes

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